

**MVSTBW 2,5/...-ST**

Plug-in direction vertical to the conductor axis,  
connection point facing the **rippled** wall (W)  
of the header

Pitch 5.0 or 5.08

(IEC)	rigid	flexible	I	U	
[mm <sup>2</sup> ]	solid	stranded	AWG	[A]	[V]
Connection data	0.2-2.5	0.2-2.5	24-12	12	250



Description	No. of positions	Dim. a [mm]	Type	Order No.	Pcs. Pkt.
<b>Plugs, 5.0 mm pitch,</b> color: green	2	5	<b>MVSTBW 2,5/2-ST</b>	<b>17 92 52 4</b>	50
	3	10	<b>MVSTBW 2,5/3-ST</b>	<b>17 92 53 7</b>	
	4	15	<b>MVSTBW 2,5/4-ST</b>	<b>17 92 54 0</b>	
	5	20	<b>MVSTBW 2,5/5-ST</b>	<b>17 92 55 3</b>	
	6	25	<b>MVSTBW 2,5/6-ST</b>	<b>17 92 56 6</b>	
	7	30	<b>MVSTBW 2,5/7-ST</b>	<b>17 92 57 9</b>	
	8	35	<b>MVSTBW 2,5/8-ST</b>	<b>17 92 58 2</b>	
	9	40	<b>MVSTBW 2,5/9-ST</b>	<b>17 92 59 5</b>	
	10	45	<b>MVSTBW 2,5/10-ST</b>	<b>17 92 60 5</b>	
	11	50	<b>MVSTBW 2,5/11-ST</b>	<b>17 92 61 8</b>	
	12	55	<b>MVSTBW 2,5/12-ST</b>	<b>17 92 62 1</b>	
	13	60	MVSTBW 2,5/13-ST	17 92 63 4	
	14	65	<b>MVSTBW 2,5/14-ST</b>	<b>17 92 64 7</b>	
	15	70	MVSTBW 2,5/15-ST	17 92 65 0	
	16	75	<b>MVSTBW 2,5/16-ST</b>	<b>17 92 66 3</b>	
	17	80	MVSTBW 2,5/17-ST	17 92 67 6	
	18	85	MVSTBW 2,5/18-ST	17 92 68 9	
	19	90	MVSTBW 2,5/19-ST	17 92 69 2	
	20	95	MVSTBW 2,5/20-ST	17 92 70 2	
	21	100	MVSTBW 2,5/21-ST	17 92 71 5	
	22	105	MVSTBW 2,5/22-ST	17 92 72 8	
	23	110	MVSTBW 2,5/23-ST	17 92 73 1	
	24	115	MVSTBW 2,5/24-ST	17 92 74 4	
	<b>Plugs, 5.08 mm pitch,</b> color: green	2	5.08	<b>MVSTBW 2,5/2-ST-5,08</b>	<b>17 92 75 7</b>
3		10.16	<b>MVSTBW 2,5/3-ST-5,08</b>	<b>17 92 76 0</b>	
4		15.24	<b>MVSTBW 2,5/4-ST-5,08</b>	<b>17 92 77 3</b>	
5		20.32	<b>MVSTBW 2,5/5-ST-5,08</b>	<b>17 92 78 6</b>	
6		25.40	<b>MVSTBW 2,5/6-ST-5,08</b>	<b>17 92 79 9</b>	
7		30.48	<b>MVSTBW 2,5/7-ST-5,08</b>	<b>17 92 80 0</b>	

7	30.48	MVSTBW 2,5/7-ST-5,08	17 92 80 9
8	35.56	MVSTBW 2,5/8-ST-5,08	17 92 81 2
9	40.64	MVSTBW 2,5/9-ST-5,08	17 92 82 5
10	45.72	MVSTBW 2,5/10-ST-5,08	17 92 83 8
11	50.80	MVSTBW 2,5/11-ST-5,08	17 92 84 1
12	55.88	MVSTBW 2,5/12-ST-5,08	17 92 85 4
13	60.96	MVSTBW 2,5/13-ST-5,08	17 92 86 7
14	66.04	MVSTBW 2,5/14-ST-5,08	17 92 87 0
15	71.12	MVSTBW 2,5/15-ST-5,08	17 92 88 3
16	76.20	MVSTBW 2,5/16-ST-5,08	17 92 89 6
17	81.28	MVSTBW 2,5/17-ST-5,08	17 92 90 6
18	86.36	MVSTBW 2,5/18-ST-5,08	17 92 91 9
19	91.44	MVSTBW 2,5/19-ST-5,08	17 92 92 2
20	96.52	MVSTBW 2,5/20-ST-5,08	17 92 93 5
21	101.60	MVSTBW 2,5/21-ST-5,08	17 92 94 8
22	106.68	MVSTBW 2,5/22-ST-5,08	17 92 95 1
23	111.76	MVSTBW 2,5/23-ST-5,08	17 92 96 4
24	116.84	MVSTBW 2,5/24-ST-5,08	17 92 97 7

### Technical data

#### Dimensions

see description

Pitch [mm] 5.0 / 5.08

#### Technical data in accordance with IEC / DIN VDE

Insulation material group	-		I	
Surge voltage category / contamination class	-/-	III / 3	III / 2	II / 2
Rated voltage	[V]	250	320	630
Rated surge voltage	[kV]	4	4	4
Nominal current / cross section	[A]/[mm <sup>2</sup> ]		12 / 2.5	
Maximum load current / cross section	[A]/[mm <sup>2</sup> ]		12 / 2.5	

#### Connection capacity

solid / stranded / conductor sizes	[mm <sup>2</sup> ]/[mm <sup>2</sup> ]/AWG	0.2 - 2.5 / 0.2 - 2.5 / 24 - 12
stranded with ferrules without / with plastic collar	[mm <sup>2</sup> ]	0.25 - 2.5 / 0.25 - 2.5

#### Multiple connection (2 conductors with same cross section)

solid / stranded	[mm <sup>2</sup> ]	0.2 - 1 / 0.2 - 1.5
stranded with ferrules without plastic collar	[mm <sup>2</sup> ]	0.25 - 1
stranded with TWIN ferrules with plastic collar	[mm <sup>2</sup> ]	0.5 - 1.5

Stripping length	[mm]	7
Internal cylindrical gage (IEC 947-1:1988)	-	A 3
Thread	-	M 3
Torque	[Nm]	0.5 - 0.6
Insulation material		PA
Inflammability class acc. to UL 94		V0
Temperature indices RTI/Ti		130/120

**Approval data (UL and CSA)**

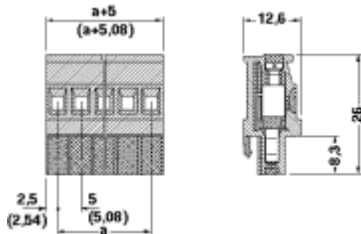
Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG	300 / 10 / 30 - 12
	CSA: [V] / [A] / AWG	300 / 10 / 28 - 12

Articles printed in bold can be delivered at short notice.  
 Products with black or gray housing available on request.

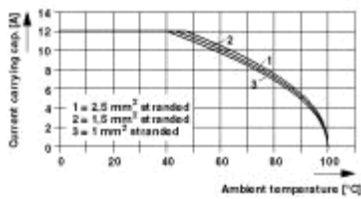
**Note:**

Only actuate COMBICON plug connectors when under no load condition. If for operating reasons small loads must be switched, experimental values are available upon request.

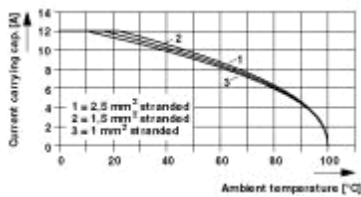
**Dimensional drawing**



**Diagram**



Current carrying capacity depending on ambient temperature  
 Plug : MVSTBR(W) 2,5/2-ST(F)(-5,08)  
 Header : MSTB(V)(A) 2,5/2-G(F)(-5,08)



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